

WHAT IS CLAIMED IS

5

1. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
an equalizing unit for equalizing the  
10 received signal;  
a despreading unit for despreading the  
received signal; and  
a controlling signal adjusting unit for  
adjusting a signal obtained from the despread signal  
15 to a spread type controlling signal to be supplied  
to the equalizing unit.

20

2. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
an interference compensation unit for  
25 performing interference compensation on the received  
signal;  
a despreading unit for despreading the  
received signal; and  
a controlling signal adjusting unit for  
30 adjusting a signal obtained from the despread signal  
to a spread type controlling signal to be supplied  
to the interference compensation unit.

35

3. A CDMA receiving device comprising:

a receiving unit for receiving a spread signal;  
a despreading unit for despreading the received signal;  
5 an equalizing unit for equalizing the despread signal; and  
a spreading unit for spreading amplitude information and error information of the equalized signal;  
10 wherein the spread amplitude information and error information are used as controlling signals in the equalizing unit.

15

4. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;  
20 a despreading unit for despreading the received signal;  
an interference compensation unit for performing interference compensation on the despread signal; and  
25 a spreading unit for spreading amplitude information and error information outputted of the compensated signal;  
wherein the spread amplitude information and error information are used as controlling signals in the interference compensation unit.  
30

35 5. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;

an equalizing unit for equalizing the received signal;  
a despreading unit for despreading the equalized signal; and  
5 a spreading unit for spreading amplitude information and error information of the despread signal;  
wherein the spread amplitude information and error information are used as controlling 10 signals in the equalizing unit.

15 6. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;  
an interference compensation unit for performing interference compensation on the received 20 signal;  
a despreading unit for despreading the compensated signal; and  
a spreading unit for spreading amplitude information and error information of the despread 25 signal;  
wherein the spread amplitude information and error information are used as controlling signals in the interference compensation unit.

30  
  
7. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;  
35 an equalizing unit for equalizing the received signal;

a despreading unit for despreading the equalized signal; and  
a spreading unit for spreading error information of the despread signal;  
5 wherein the spread error information and amplitude information inputted to the equalizing unit are used as controlling signals in the equalizing unit.

10

8. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
15 signal;  
an interference compensation unit for performing interference compensation on the received signal;  
a despreading unit for despreading the compensated signal; and  
a spreading unit for spreading error information of the despread signal;  
wherein the spread error information and amplitude information inputted to the interference compensation unit are used as controlling signals in  
20 the interference compensation unit.  
25

30

9. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;  
a signal processing unit for performing signal processing on the received signal;  
35 a despreading unit for despreading the received signal; and

a controlling signal adjusting unit for adjusting a signal obtained from the despread signal to a spread type controlling signal to be supplied to the signal processing unit.

5

10. A CDMA receiving method comprising the  
10 steps of:

receiving a spread signal;  
performing signal processing and  
despreading on the received signal; and  
adjusting a signal obtained from a  
15 despread signal obtained at the despreading step to  
a spread type controlling signal to be supplied for  
the signal processing.

20

11. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
25 a despreading unit for despreading the  
received signal;  
an equalizing unit for equalizing the  
despread signal; and  
a spreading unit for spreading amplitude  
30 information of an input signal to the equalizing  
unit and error information of an output signal from  
the equalizing unit;  
wherein the spread amplitude information  
and error information are used as controlling  
35 signals in the equalizing unit.

12. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
5 signal;  
a signal processing unit for performing  
signal processing on the received signal;  
a despreading unit for despreading the  
received signal; and  
10 a controlling signal adjusting unit for  
adjusting a signal obtained from the despread signal  
to a spread type controlling signal to be supplied  
to the signal processing unit.

15